

# RAE IMPLICATED IN SEX SCANDAL

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VOL 85 ISSUE 3

The official newspaper  
of the University of Toronto  
Engineering Society Est. 1906



This is Bob Rae, who we are definitely sure will deny all knowledge of the scandal.

by Aviv Gladman, ENG SCI 9T4

Members of the University of Toronto Campus Police cracked down on an illegal telephone sex operation early yesterday evening, making five arrests and seizing three thousand dollars worth of indecent materials and illegal telephone equipment. According to police officials, the phone service, which was operating out of the basement of The Varsity, was playing recorded messages of an "overtly raunchy and sexually distasteful nature," to callers.

While no names have yet been released, Toike Oike confidential sources have uncovered evidence implicating several U of T students and staff members, as well as at least one prominent member of the provincial government in the sex scandal. According to these sources, one of the key players may, in fact, have been a student in this faculty. Special undercover Toike reporters, using their unbelievable stealth and expert camouflage techniques, have identified a Mr. Rae Candido (MECH 9T4) who is believed to have been involved in the illegal telephone operation. Rae (shown below) denied all knowledge of the sex scandal. Said Rae: "Hey, what do you want my picture for?" That sounds like an admission of guilt to this reporter. To further back up this obviously self-incriminating statement, we attempted to interview one of Mr. Candido's closest friends. Unfortunately, beer can't really answer any questions, so we interviewed his second closest friend (name changed to ensure confidentiality):

Q: Do you think that Rae is involved in the sex scandal, Gumby?

A: What sex scandal? Why are you calling me Gumby?

Q: So you deny all knowledge of this whole affair?

A: What affair? What are you talking about?

While there is little further evidence to substantiate the rumours of Mr Candido's guilt, there is even less proof that he is not involved. However, to ensure the reputability of this paper and avoid any additional dealing with his lawyer, we apologize for any remarks that were based on unfounded and unsubstantiated facts.

## SADDAM HUSSEIN UNDERCOVER AT U of T

Ed note: It has yet to be determined how Saddam ended up with a German accent.

by: Alex Fung ELEC 9T4

It has been revealed that last fall, at the height of the Desert Storm conflict, Iraqi president Saddam Hussien was infiltrating the western intelligence network from right here at U of T Engineering. In an exclusive interview, Saddam revealed that he posed as a Firosh Linear Algebra teacher. "Eet was sooper-difficult," he said. "All dose engineers want to act like eediots!" His plan was to sneak into the Wallberg building after hours and concoct chemical weapons with U of T's vast array of chemicals. However, his mission went awry since he was too busy answering questions from keeners during office hours. "Dey don't understand dat the soospace generated ees leenearly andependant! Eet is OEVIOUS, no?" Not all went wrong for Saddam before he returned back to Iraq, though. "I screwed up hav ov de class!" he said with a smile.

## FIDO DIDO ALIVE!

by: Ivana Strgaclic CHEM 9T4

parties were reported and even People believed that Fido Dido as this reporter suspects, a few had actually died. After his arrests followed. Bad career immense popularity burst into moves ensued, which included stardom, things looked hopeful a porno movie and Saturday for this new superstar. His morning cartoon introductions. claim to fame was his 7-up As things became worse, Fido commercials which are still just dropped into obscurity. But running. (Not down the street all hope is not lost. Fido Dido you goof! on the tube - typist) is not dead. He was spotted in His image was plastered the Eng. Soc. yesterday. "I'm everywhere: water bottles, planning a tremendous T-shirts, 7-up cans, billboards, comeback!" he was heard and in hair salons. He had a stating. Well, we'll all pray and major influence on hair stylists hope. everywhere. Apparently, young hopeful graduates of hairstyling programs at local community colleges, (e.g. York, Ryerson, etc.) found great comfort by being able to tell their poor unsuspecting customers whose hair they just screwed up, that the hairdo they got is the new fashion craze: the Fido Dido hairdo. But just like many other shooting stars, they fall as fast as they rise. Drinking and drugs became part of Fido's life. Will









# MONSTROUS ERECTION AT DEVO

by: Jamie Hodd CHEM 9T5

--"It was ZEES big!!"--Hans Titzengrabber, witness to the enormous uprising.

On the eve of October 9, a night which saw the rare astrological conjunction of a full moon, Mars in the eighth house (Mars, Jupiter, Venus, some dumb planet...), the disposal of several sound-proof blocks behind Galbraith, and less than three hours of homework (a very rare phenomenon that occurs about once every 500 years), the great and mysterious Stonehenge vanished from its home in gloomy England, bypassed the space-time continuum and re-materialized on the quad of the infamous Devonshire House, albeit slightly reduced in size and mass (teleporting really wears you down).

Witnesses of the event included Officer Hugo Takeshita, who declared "No more electric jelly doughnuts, ever.", and several North and East House Dukes, who, awed by the resurrection, immediately adopted the Druid faith, whatever that may be. Not knowing any Druid rituals, these newfound "Druid Dukes" attempted to imitate their predecessors by dressing like Druids, drinking like Druids, and purging away their former selves in the circle of flame. However, the evening would not be complete without a virgin

sacrifice, and a search for a virgin begun. Fearing for their lives, two South House Dukes attempted to stop the celebration by launching an array of small consumables such as eggs, tomatoes, and apples (party poopers!). The "Drukes(?)" returned fire, and soon a North/East vs. South House war had broken out. The South Housers, after one unidentified casualty and much jeering from the Drukes, went for the coup de grace by storming and toppling the great monument (or maybe they thought they were hurdles and tried to jump them. Guess we'll never know.). Angered by this abuse, the bricks merely re-formed to spell out their true feelings towards South House. After much effort and references to the dictionary, an Artsie witness concluded that the bricks spelled out "Fuck South!"

Soon after re-forming, the bricks vanished, possibly to reappear some other night...



## Save Godo Balcita Jr. Campaign

Spearheaded by the Verb CHEM 9TN

Concerns for the health and welfare of Godo have reached an all time high. The fellowhood of Atrium bums.... I mean Atrium Associates have agreed that this great man's life (and hair) are in danger due to his smoking habit. Not to be confused with the average smoker, Godo suffers from an acute reaction to smoking. This claim is entirely without evidence and we don't

give a shit anyway. We have concluded, further more, that it is up to each and everyone to pitch into the effort of saving this noble (not) man's life. So we simply ask PLEASE do not feed the Godo cigarettes or other combustible items. It will take all of our combined effort to succeed in this worthy (not) endeavor.

You can recognize Godo as he is the knob with long hair who plays too much chess. If he asks for a smoke, don't give it to him, because "we care too much"

For more information call 911-GODO. Donations are duly appreciated.

Signed,

The concerned Fellowhood.

## Things that make you go....NOT!

by Alex Fung ELEC9T4  
and Terry Nerovlas CIV 9T4

"Wow that test was easy...."

"Sure I've done that problem set...."

"No, I've never copied in a Calculus test...."

"This cafeteria food rules...."

"Of course I understand what the prof. is saying...."

"That T.A. sure is helpful...."

"Yeah, I can read his writing...."

"Man, I sure miss my T-square...."

"That lecture was so interesting! I was at the edge of my seat...."

"Hey, that electrical T.A. speaks great English...."

"What a discount the U of T/Engineering, bookstores have on our texts...."

"Hey, the Toike is just as dirty and sleazy as it used to be...."

"I've done every CIV100 question on my own...."

"MC205 is the perfect place to keep you awake for those two hour lectures...."

He can make you  
dance like Madonna!

It's a bird.  
Its a plane.  
No, It's...

He'll make you chase  
cheese like Speedy Gonzalos

# THE INCREDIBLE BORIS

FRIDAY  
NOV. 22  
AT 6 PM  
DOORS  
OPEN  
AT 3 PM

Boris holds his audiences spellbound. He's a



amazes audiences through power of suggestion.

The puts his audience's imagination. Boris

He's a totally  
awesome and totally  
excellent mental(ist)!

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you to DEATH!  
He'll get you to  
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# ENGINEERING

NEWS

## Ontario Engineering Competition

CIO-OEC 1992,  
University of  
Ottawa

By Phil Nguyen,  
Chairperson, CIO-OEC  
1992  
Let's get busy!

The University of  
Ottawa's Engineering  
Student's Society is  
the proud host of the  
Ontario Engineering  
Competition  
(CIO-OEC).  
was  
founded in 1980 by  
Diane Neil of  
Queen's University as

the Ontario Engineering Design Competition (OEDC). The competition strives to promote excellence and ingenuity in engineering design.

The competition is open to all undergraduate students enrolled in any accredited engineering program in an Ontario university.

Competitors may enter any of the five categories:

**Entrepreneurial Design** - Students design a marketable product or service not currently available in Canada. The first place winner in this category receives the Northern Telecom Award.

**Corporate Design** - Students analyze and design a solution to an existing problem in industry. The first place winner in this

category receives the Bell Canada Award.

**Editorial Communications** - Students present a viewpoint on the social impact of a current technological issue. The first place winner in this category receives the General Motors of Canada Award.

**Extemporaneous Debate** - Students apply analytic skills and present a well-reasoned

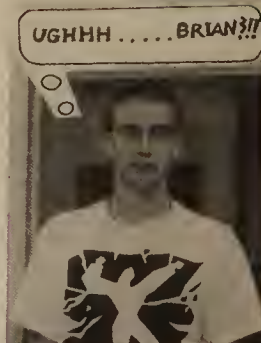
viewpoint with a minimum amount of preparation. The first place winner in this category receives the Silver Tongue Award, jointly sponsored by the Sandford Fleming Foundation and the Consulting Engineers of Ontario.

CIO-OEC 1992 is an ideal opportunity for engineering students to demonstrate their knowledge, skills, and

school pride. Our goal is to maximize participation and attract 90 competitors to the Nation's Capital, Ottawa, Ontario on February 28-29 and March 1, 1992. The University of Ottawa and the Chateau Laurier Hotel will be the competition sites. So take the challenge and strive for engineering excellence!

Together, we can all make this a first class, kick-ass competition!

For more information, please contact your Engineering Student's Society, on-campus CIO-OEC representative, or Phil Nguyen, Chairperson, CIO-OEC 1992.



ALEX  
"GILLIGAN"  
CHAPMAN,  
ENG. SOC.  
PRE Z.



## A Rating of Canadian Engineering Programs

The REAL Ranking of REAL Institutions

| Institution                                  | Rank | Score (out of a possible 5) |
|--|------|-----------------------------|
| Toronto                                      | 1    | 4.87                        |
| McGill                                       | 2    | 4.86                        |
| British Columbia                             | 3    | 4.84                        |
| McMaster                                     | 4    | 4.81                        |
| Ecole Polytechnique (University of Montreal) | 5    | 4.790                       |
| Saskatchewan                                 | 6    | 4.78                        |
| Alberta                                      | 7    | 4.77                        |
| Manitoba                                     | 8    | 4.76                        |
| Laval  | 9    | 4.75                        |
| Queen's                                      | 10   | 4.74                        |

Technical University of Nova Scotia 11, 4.72

|                         |    |      |
|-------------------------|----|------|
| Calgary                 | 12 | 4.70 |
| Ottawa                  | 13 | 4.68 |
| New Brunswick           | 14 | 4.65 |
| Royal Military          | 15 | 4.63 |
| Memorial U.             | 16 | 4.62 |
| Windsor                 | 17 | 4.58 |
| Western Ontario         | 18 | 4.57 |
| Waterloo (HA)           | 19 | 4.56 |
| Carleton                | 20 | 4.55 |
| Sherbrooke              | 21 | 4.54 |
| Guelph                  | 22 | 4.53 |
| Moncton                 | 23 | 4.49 |
| Concordia               | 24 | 4.48 |
| Lakehead                | 25 | 4.47 |
| Quebec (Trois-Rivieres) | 26 | 3.83 |
| Regina                  | 27 | 3.52 |
| Quebec (Chicoutimi)     | 28 | 3.43 |

Compiled from the Gourman Report Fifth Edition Revised by Dr. Jack Gourman.

CHEM  
DINNER  
9T1

FRIDAY,  
NOVEMBER 22



AT THE WESTBURY HOTEL  
475 YONGE STREET

Cocktails : 6:30 pm Buffet Dinner : 7:30 pm

Tickets \$35 each Available from Class Reps





The National Debt  
incurred by all levels  
of the Canadian  
government is  
**\$1.1 trillion.**  
Your share is  
**\$41,338.**

This is a Public Service Announcement from the University of Toronto Engineering Society.  
Source: Financial Post.

The per capita amount is calculated through the following formula:

Debt at Federal Level + Debt at Provincial Level + Debt at Municipal Level + Unfunded Canada Pension Plan  
Total number of people living in Canada  
= \$160 billion + \$290 billion + \$16 billion + \$120 billion = \$1116 billion  
26,997 million (June 1991) 26,997 million = \$41,338/person

The figures reported above are for gross debt. When reporting the debt, the government usually reduces the gross debt by the value of government assets, and does not include the unfunded Canada Pension Plan. The net figure usually reported is roughly \$505 billion less than the total shown above.

It is questionable if it is legitimate to reduce the figure by the value of government assets because they vary in liquidity and political significance, and many cannot be easily converted to cash, if at all.

The \$320 billion of unfunded Canada Pension Plan liabilities represent the amount by which future liabilities are not covered by present assets.

**The  
'Shit Happens' Tour  
1991**

IF YOU ARE INTERESTED IN ATTENDING THE 1991/92 CFES (CANADIAN FEDERATION OF ENGINEERING STUDENTS) CONFERENCE IN MONTREAL AS A REPRESENTATIVE OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY, PICK UP AN APPLICATION FORM FROM JULIE IN THE ENG SOC OFFICES AS SOON AS POSSIBLE. YOU WILL HAVE AN OPPORTUNITY TO TALK TO ENGINEERING STUDENTS FROM ACROSS CANADA, COMPARE EXPERIENCES, AND MOST IMPORTANTLY...

**PARTY!**

DATES: January 6-12, 1992

PLACE: The Queen Elizabeth Hotel Montreal, Quebec

COSTS: None (we'll pick up the tab)

QUALIFICATIONS: None required

RESPONSIBILITIES: A post-conference report

DELEGATES: 4 Required

**SUBMISSION DEADLINE NOV 27th**

DELEGATION LIST WILL BE POSTED NOV 29 IN THE ENG SOC

FOR MORE DETAILS CONTACT:  
**BRIAN CAMPANOTTI**  
V.P. EXTERNAL

## Women's Engineering Basketball

Game 1 vs. Trinity tied  
2 vs. SMC lost 32-30

The season started on October 1st with an extremely, evenly matched

game against Trinity. One week later Skule faced SMC and played hard managing to: come-from-behind, tie, win, lose, almost win, but finally lose to a team who were, no doubt, aided by divine intervention.

For our next game, we'll be sporting our bright, shiny new uniforms. With our new look and the inspirational guidance of our hallowed leader Allan Morris, the women's engineering basketball team is looking forward to a strong season.

## Rugby Ruckers in First Place

by: Mike Stevenson

The '91 Engineering Rugby Team finished the regular season with a record of 7 wins and 1 loss for first place in the league. Extraordinary efforts on the part of many players has led to another successful season for the muddy men of mayhem: Leighton Chong's long drives from Elmira. Steve Oake's mad dashes to 4 o'clock games. Don Cherepaches attendance record despite many visits to Toronto Western's Sewing Department for a stitch or 20. David Atkinson scoring his first try ever with "just the right amount of coffee" as fuel. Paul 'Lucky' Pleurde's strong play at scrum half.

Many veterans returned from last years championship team and with Big Jim Phillips accepting the captaincy in lieu of a varsity career the Blue and Gold started strongly. The first two games were solid wins. Alex Malapitan hooked well, Alex Hatzirassilas cheered on by Joel and the Jokers scored the seasons first try in a 10-0 win over Trinity. Rich Dzyneis ran well and also showed fine form with the foot scoring penalties and converts with ease. Brent McGaw had two tries in a 22-0 win over Vic who started the season slowly, but finished with a strong surge.

Away games at satellite campuses that might as well be in outer space are always tough. Fielding a team in the burbs is often difficult: a strong team is usually unthinkable. Two away games back to back at Scarborough then Erindale could have spelled trouble. But the boys in blue came through. Oakes led the team to a 10-3 win in the east end with newcomer Dave Giamov scoring a props try. Mike Stevenson at full back and Chris Karauskakis debuting at scrum half. All played hard, Leo Notidis rambled well. Scott Pundsack and Jeton Odza scored terrific tries: final 15 to 4 for the Eng.15's 4th win.

Trinity were next: Red and Black heart attack "Army" from the Ontario team was their scrum half; the tricksters from Trin had scooped the Blues best back. Nonetheless Skule played courageously and emerged victorious 7 to 3. Rookies P. Simmons and Ali Qureshi did well in the pack as did Ken Sissakis in the centers. D.C. and Adam Bourke in loan from the varsity team foreshadowed future playoff potential for Skule R.F.C. The 6th game against Vic's Red and Gold was less than golden and left some with red faces. Overconfident? Perhaps, but Vic's win was hard fought and deserved. Eng were missing key personnel (Leo Notidis took 6 stitches to complete a trio of back row injuries) and Vic have their best team in years. After game Arbor room activities abounded highlighted by Ted's ascent of the sculpture: beers and boorish behavior begot a good time for both teams. The rematch with Scarb. was close a 6-0 win with John Carrington providing both try and several seeing eye kicks. "Don Cherry" debut at scrum half. Andrew "the Argentinean" Rochwerger tackled aggressively. John Aquino back from an injury to his back ate up the ball at 8 man.

Erindale defaulted game 8: no more opportunities for Mike Martins to snag a line at ball or Paul Husina to block a kick-Playoffs are beckoning. Will Engineering win another championship? In the words of philosopher Sian Zuberma "don't know, can't say": there's some tough opposite ahead. The potential is there if the desire is too and the ball pops up on the third bounce, the champagne could flow. Another successful season- lets keep it going lads!

SEMI-FINAL vs. Trinity

Sat., Nov. 9, high noon.

Come on out, make our day.

## High Hopes For SkuleTM

By: Alan Lepotsky MECH 9T4

Well another volleyball season has begun. This year we have a new team with a good mixture of veterans and new comers. From ENG SCI's to Artsies, our

team has a good mixture of talent. We have started off the season with a record of 3-2. Our next game is losing a close match to the #1 team from Upper Gym of the Scarborough. If Athletic center, fan support would be great!



# The Amazing Healing Power Of Beer!

There's Good News for elbow benders who love to belly-up to the bar-beer can keep you healthy and even treat serious illness.

Hops and other ingredients in beer can ease and relieve such medical problems as heart disease, high blood pressure, cancer, arthritis and emphysema, according to a Japanese study. "Our study shows that drinking beer regularly and in moderate amounts has many health benefits," says Professor Hiro Takamoto, head of medical research at Tokyo's Waseda University.

Not only is today's beer "less filling and more satisfying," it is loaded with important vitamins and minerals.

Beer's medicine chest of vitamins and minerals include potassium, zinc, and several important B vitamins.

"It also has only half the calories of a glass of wine, has no fat and is low in sodium," Takamoto explains.

Beer is a natural diuretic that helps prevent kidney stones.

Incredibly, a few brews can also make dieting easier by easing bloat and hunger pains. Beer can lower the risk of heart attack and stroke because it produces high density lipoproteins, the culprit responsible for hardening of the arteries, the professor adds.

## Moderation

A recent survey of 50 000 beer drinkers in Japan, Australia, Canada and the United States also produced some dramatic revelations, he claims.

For instance, beer drinkers reported being sick 13 percent less than hard liquor and wine drinkers.

Amazingly, non-drinkers were sick 1 percent more than expected.

Those who reported drinking two to three beers a day had 25 percent less illnesses than expected.

However, those who drank more than six beers a day showed a higher incidence of illness than expected. Moderation seems to be the key. "There is an optimum number of

beers," Takamoto notes. "More than three will lessen the positive effects, and more than six will reverse them."

## The Beer Lover's Diet

A Few Beers a day can be an important part of a weight-loss diet by easing hunger, soothing nerves and controlling water retention, says Dr. Thomas Bassler, a Los Angeles pathologist and co-author of the Whole Life Diet (M. Evans, New York).

It works best for people who love beer and hate dieting because, along with its nutritional benefits, beer has a soothing effect.

Here is a sample 3-day menu that shows how you can add beer to your diet.

## Day 1

Breakfast: 4 ounces of oranges juice, 2 poached eggs on slice of whole wheat toast. Lunch: 12-ounce glass of light beer, 4 ounces of drained, water-packed tuna on bed of lettuce, 1

sour dough roll. Dinner: 12-ounce glass of beer, 4 ounces broiled chicken breast, 1 cup green, steamed vegetables seasoned with lemon juice.

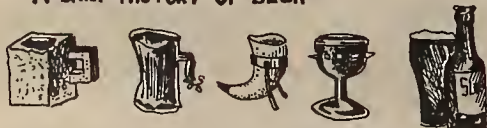
## Day 2

Breakfast: Half cantaloupe, 1 cup cold high fiber cereal with 1 cup skimmed milk. Lunch: 12-ounce glass of beer, ham and cheese sandwich on dark rye bread. Dinner: 12-ounce glass of beer, small green salad with 2 tablespoons dressing, 4 ounces broiled ground beef, half baked potato topped with tablespoon of unflavored yogurt.

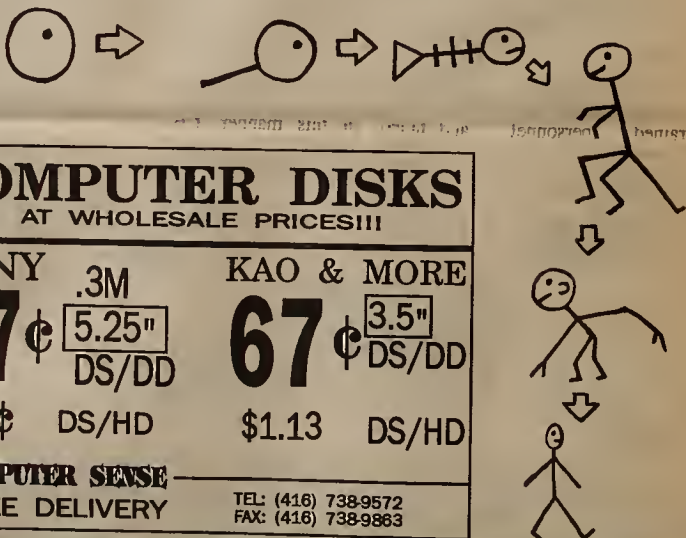
## Day 3

Breakfast: Half grapefruit, poached egg on half of a toasted English muffin. Lunch: 12-ounces glass of beer, large green salad with julienne ham and cheese, dressing of choice, 2 bread sticks. Dinner: 12-ounce glass of beer, 4 ounces broiled white fish fillet, 1 cup rice pilaf, small pear.

## A BRIEF HISTORY OF BEER



## EVOLUTION OF THE STICK MAN



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It's free, and it talks about everything you need to know to make an educated decision. Here are some of the topics you will find:

- How much you can expect to pay in today's highly competitive Toronto market.
- The difference between an XT, 286-, 386- and 486-based computer.
- How much memory to buy, depending on what you will be doing with your computer.
- How microprocessor speed is measured.
- What disk and memory caches are.
- Which video standard is right for you, and which one is the industry standard.
- How Microsoft DOS evolved.
- OS/2 vs. Windows 3.x.
- MicroChannel vs. EISA (Extended Industry Standard Architecture).

After discussing all these, the guide will go through some suggested system setups, including their cost. Then you'll find a 60+ word glossary of the most common terms you will hear when shopping for a computer. Get your copy before they run out.

**Available now at the Engineering Society!**



# Widely Used Chemical Found To Be Highly Toxic

## Introduction

### Historical Background:

It has been reported (1) that large quantities of hydrogen oxide, in its liquid phase, are being used by major segments of the United States population in the laundering of personal textiles assemblages. This shocking disclosure (Congressional Record, 78 rpm, Senator Langerhans with the Senate Chamber Chorale and Wind Ensemble) of the widespread use of a virtually untested laundry adjunct has brought the unflinching focus of this committee to examine the potential widescale health and environmental hazards of this material.

During the study, the U. S. Environmental Protection Agency (EPA) has allowed the continued use of water in laundering systems while continually monitoring the use of the chemical by means of an intricate network of trained personnel and relatives.

### Early Scientific Findings:

The startling report that water is not rapidly biodegradable (7) brought great urgency to a toxicological screening program of this potential hazard. Soon after this report was published it was discovered that some forms of blue-green algae do indeed degrade the liquid form of hydrogen oxide. Metabolic degradation residues were determined to be gaseous oxygen (O<sub>2</sub>), a material which dramatically increases the rate of combustion of flammable substances. Work currently in progress by the Massachusetts Academy for Study of Combustion and Other Things (MASCOT) will report shortly on this problem.

Meanwhile the People's Independent Committee for Knowledgeable Environmental Education (PICKEE) filed court action to ban the use of water in laundering, citing that over 90% of the materials used in the laundering process were essentially non-biodegradable or "hard". This group withdrew court action when the National Instituted for Uncontrolled Scientific Studies agreed to undertake a \$4 billion, three year program to find a biodegradable substitute.

At that time, Swimmer and Drown (8) presented

statistical evidence that serious toxicological evidence seems to exist for this widely-used chemical. A massive research program was administered to undertake new studies and to compile the mounting evidence against continued use of this chemical product.(3)

### Toxicology

Very few scientific studies on the toxicity of this compound existed prior to the Daft and Strange report of 1977. Von Needleman's landmark study (1980) of the effect on small animals of free-fall terminated by concrete pavement (9) was studied by this committee and it was decided to provide additional funding to construct a holding container for water test samples. Small animal specimens were dropped free-fall from a fixed height (known as the 12-meter high board) onto the sample's surface. The depth of the water sample was varied until toxic effects were noted. In this manner, the LD50 values for several species were determined (Table 1). Curiously, this

### Species LD50 (depth, cm.)

|                        |                             |
|------------------------|-----------------------------|
| Mouse                  | 2.6 cm.                     |
| Rat                    | 4.8 cm.                     |
| Fish                   | None observed               |
| Cat                    | 38.6 cm.                    |
| Cat (in bag with rock) | (in bag with rock) 16.5 cm. |

Table 1. LD50 Values for Liquid Hydrogen Oxide (H<sub>2</sub>O) after Von Needleman.

compound's toxicology had not been tested, prior to Von Needleman's work, in spite of clinical evidence of the presence of this compound in all samples of carcinoma cells investigated in 1963 by Publish and Parrish (5).

Recent work at the National Institute for Terraqueous Waste Industrial Testing (NITWITT) indicates that the toxic mechanism somehow involves the respiratory activity except in tested fish species which seem to show opposite results from other animals tested.

### Degradation Studies

Water, in its dilute form, has been round to be undegraded and even toxic to bacteria found in the environment. Heppelmyer (4) determined that water in its natural state

has concentration of 55.55 molar. In order to be properly studied, government researchers at the Profound Center for Ongoing Funded Research made serial dilutions with an inert diluent, hexane, in order to run biodegradation studies on lower molar concentrations. To achieve complete solubility, quantities of low molecular weight alcohols were added. In all cases, water was found not only to be resistant to bacterial degradation, it was observed that the bacteria was killed. Clearly, this oxide of hydrogen has far-reaching toxic implications.

Risible (6) noted that this compound has been observed to be persistent in the environment and collects in large quantities in nature. Clearly, some form of additional sewage treatment will be required to eliminate this hazard.

### Toxic Metal Transport

In its liquid state, hydrogen oxide has been implicated in the transport of sediment materials. The Mississippi River Delta Study be Donner and Blitzen (2) concluded that water may be a causative factor in the transport and sedimentation phenomenon.

Subsequent laboratory investigations at Inland Underwater Research Center, Tucson, offers evidence that toxic metals, if solubilized by the compound in question, could be transported if the compound itself is transported. This investigation is being confirmed by independent tests at the Kleiner Arbeiten Institute in Hildashaven (Hilda's Harbor) West Germany.

### Committee Conclusions and Recommendation

In keeping with current federal agency practice, this committee will offer no final conclusions. Only preliminary data will be published and then only if highly-charged life and death issues can be portrayed as imminent dangers in the public press.

In order to carry on this urgent health and environment related work, this committee recommends continued funding for all programs now in place.

## LULU'S BATTLE OF THE COLLEGE MASCOTS!!!!

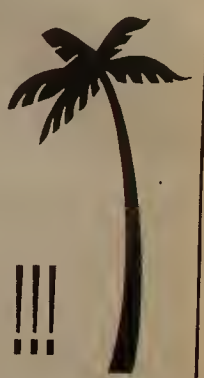


### ROAD TRIP!!!!



FRIDAY NOV. 29  
COST \$14:00

Buses leave at 6:00  
Warm up PARTY at  
Suds  
Starts at 12:00  
NOON!



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PARTY..  
PARTY !!!

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# The Toike Guide To Efficient Dart-Making

by Nick Dinadis, ENG Dart Launching  
SCI 9T4

## Preparing The Dart

Take a plain, ordinary sheet (problem set paper works wonders) and tear it into five equal rectangular partitions. Place edge AB (see fig. 1) parallel to your body and place your left hand underneath corner A. With your right index finger and thumb, pull gently on corner A in a rolling motion, in order to create a conical shape as in fig. 2 (if you're a leftie, just reverse the above instructions.) Continue doing this along the length until it looks (and feels) right. You have now almost completed preparation. At this point, make sure you roll the dart in your mouth a few times, keeping in mind that the more you lick it, the harder it gets. Don't feel bad if someone else's dart is bigger than yours. After all, it isn't the size that counts, it's how tightly it fits in the tube!

## The Tube

The tube is very easy to build, and yet without a well shaped tube, your chances of success decrease exponentially. With this in mind, lay a piece of paper flat on any surface, and apply a gentle rolling motion to it. Be careful not to squeeze it too much, as you may damage it. Now that you've got your tube and dart in hand, you're ready to go on to the final and most exhilarating part of dart origami.

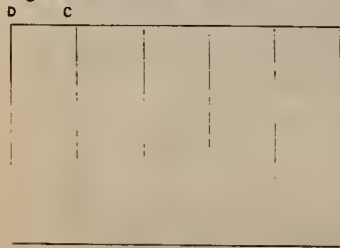


Figure 1

Figure 2

Insert the dart into the tube, being careful not to force it too much. If it doesn't fit, fiddle around with the tube using your finger. It may be necessary to lubricate the inside of the tube to prevent the edge from bending. Raise the tube to your lips, with your tongue just touching the rear of your dart. Take a deep breath and blow into the tube while removing your tongue to get a lot of pressure. You may have to blow the dart a few times before it will properly eject from the tube. Since it can be dangerous to blow your dart at a complete stranger, you may wish to test it out on some of your closer friends first. If you fail in your first attempt, don't worry too much as it sometimes takes a while to do it right. Try aiming at the ceiling in the Atrium to see if your dart can hit it. If you can't get it up, lean back and blow a little harder. Watch that you don't blow too hard, though, as your dart may explode. After a few shots you may discover that your tube is worn out so you will have to find a replacement. But be careful and don't just pick up any tube off the street since you don't know where it's been. Also, don't let anyone else use your tube, as you might catch some unwanted germs. Similarly, don't use your friend's tube and never use their dart, as they will definitely get upset. There is just one last point to be made. If a tube isn't available, you can always toss your dart around with your hand, but make sure you use your stronger arm.

## CIV 102F Problem Set 10:

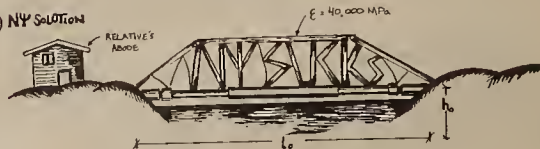
Create a bridge to span an 18m pond from your aunt's house to the main road.

by Nick Dinadis and Mark Biernaki (sorry if I spelled that wrong, ed.)  
ENG SCI 9T4

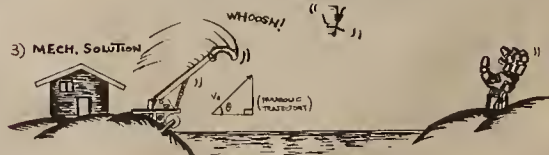
### 1) LAZY SOLUTION



### 2) NY SOLUTION



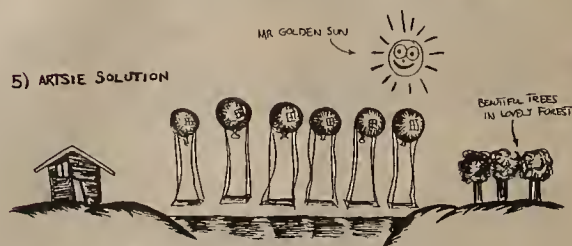
### 3) MECH. SOLUTION



### 4) GEO. SOLUTION



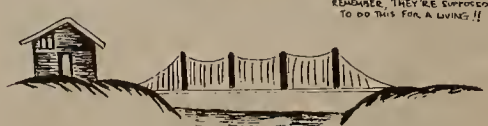
### 5) ARTSIE SOLUTION



### 6) PHYS. ED. SOLUTION



### 7) CIVIL SOLUTION



### 8) PHILOSOPHY SOLUTION: IS THERE REALLY A POND, AND IF SO, IN WHO'S REALITY?

### 9) NEY SOLUTION:

$$\vec{F} = \frac{\vec{p}}{\vec{t}}$$



IT DEPENDS ON THE CORIOLIS FORCE IN THE INERTIAL FRAME OF THE EARTH, AND ON THE FRAME OF REFERENCE OF THE SOLAR SYSTEM RELATIVE TO THE UNIVERSE. NOW, CONSIDER A PARTICLE IN A 1-D FRAME...

Bridge Column



# SKULE NITE AUDITIONS



Auditions for Skule Nite 9T2:  
Monday, November 11  
Tuesday, November 12  
Wednesday, November 14  
Monday, November 18  
GB 422, the CIV/ELEC  
Common room, at 7:00pm.  
each day.



If you would like to participate in Skule Nite 9T2. Please attend one session. Skule Nite is the Engineering Society's annual musical-comedy revue. Any talent will be appreciated - don't worry if you can't dance, sing or act - we need all sorts to continue the tradition of the best show on campus!



**BLATANT FILLER**

♫ Come See The Skule Stage Band! NOVEMBER 15 at the ARBOR ROOM 8:30 pm. No Cover See what the real engineering band sounds like! ♪

# BNAD BOPS IT BIG TIME

by: Ivana Strgaclic CHEM 9T4

Well, on Thurs., Oct. 24, the L.G.M.B. decided to go clubbing. (not the violent kind that involves baby seals) Their first stop was the Big Bop because they heard about this thing called the Phi Beta Bop.

Stealthily the Bnad approached the door. After being searched thoroughly, we were let in without anyone suspecting we were BNAD. The latest development in instrument camouflage helped us, guess where I hid the base drum. After casing out the joint, we decided to do the Bnad thing and play, or at least attempted to. We first accosted the first floor, being engineers (and friends too) it was the logical thing to do.

Resounding applause followed us, and before they had a chance to grab us, we rushed to the second floor, being the obvious second place to go (we always strive for the top!). Again we played. (breaking in on one of my favorite songs, no less) And yet again we were a great hit! But as they say in show business, "Always leave them wanting more". We weren't sure what they wanted, so to be on the safe side, we left as stealthily as we came.

But we came back, because people seemed to be actually having fun when we interrupted. The Big Bop, not to be confused with dead, fat

singer the Big Bopper, was a rockin' place. Many people agreed with me, because there was something for everybody: The first floor consisted of classical rock. I, a privileged person, got to meet with Brother Jake Edwards and the Coach from Q107. Why is it that D.J.s never look like they sound? The "Champ" seemed like a cool guy. I won't go on because Vic already met the bunch at the radio station and was suppose to have an article for me, but you'll see it next month because he was too busy with his design projects. It was groovy and really hard to leave to catch the second floor stuff because I either "love that song!" or "I haven't heard that in so long!" interesting to see the regular D.J.s simultaneously dance to "Soulman" in the D.J.'s booth.

The second floor was Dance/Alternative, my kind of stuff. The D.J. there was Micheal X, who I just, because I had nothing better to, asked him for a quote for this illustrious newspaper. Here it is: "How do you expect me to quote something, when I don't know anything." Deep.

A blast is what I had. Even though I left at 10:30. Boy, pros. really know when to schedule a mid-term don't they. Guess where you'll see me on the occasional free Thursday from now on.

FREE ADMISSION WITH THIS AD

EVERY THURSDAY  
PHI BETA  
BOP

HUMONGOUS  
FRESH 'N' FROTHY  
MUG PARTY!

VINTAGE  
VIDEOS!

FUN! FUN! FUN!

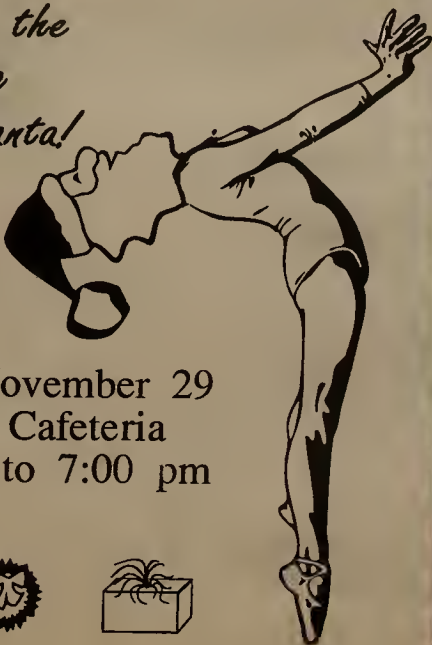
THE  
LEGENDARY  
BOP!

FOUR  
ACTION-PACKED  
LEVELS!  
FUN!

THE BIG BOP, 651 QUEEN ST. W., TORONTO

# Christmas SUDS

Come See the  
Amazing  
Spandex Santa!



Friday, November 29  
S. F. Cafeteria  
3:00 pm to 7:00 pm



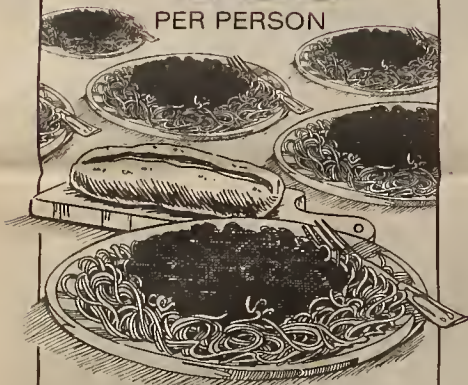


# CLASSIFIEDS

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## Help wanted

Short order cook, to whip my cream and beat my eggs. Preferred experience with battery powered kitchen appliances.

Flight attendant needed to work in the x-y plane. Many bonuses, endowments required. No uniform policy in effect. Must be willing to give passengers an enjoyable ride. Come, the friendly skies fly.

Wanted, university level teaching assistants. Send resumes to the University of Toronto department of English as a second language. Applicants required to write E.D.T. (English deficiency test).

-editor) All sorts of fun around the home and hours of entertainment in a bathroom setting. Get yours now, call: LITTLE-BOY-BLUE.

Used trophies from various prestigious athletic events. Of great sentimental value, will accept any reasonable offer (okay, we'll settle for about ten bucks but that's it, (all right 7.25 and that's the lowest we go, (or a box of K.D. (A NEW BOX!!))))).

Recycled toilet paper now available in assorted prints and accessories/optional attachments. See our new Bryo-roll. Wipe yourself with the P.M.'s face and feel special.

## Lost & Found

## For Sale

One life sized representative anatomically correct synthetic figurine. Like new, barely used. Submit all offers to G.B.422.

Human teeth, all sizes. Come in for a fitting. All styles, all colours. See our new festive Christmas line. Sure to be a hit under the tree. Call 1-B-ALL-SMILEY.

One elevator. Just fitted with a brand new shaft. Sure to get it up every time. call ERECT-ME.

Livestock. Now you can own your very own heiffer. (heiffer, I don't even know 'er

Lost:Synthetic jaundiced migrating waterfowl. Last seen with a green hardhat wired to its butt. Please report any sighting to the editor.



Lost:Zack's virginity (and gladly). Do not want it back just want to know who has it.

Lost:One cardboard box having suspicious looking leg-sized holes in bottom (go figure). If found, please return to Eng-Soc prez. (not skipper).

Found:Unattached virginity (believed to be Zack's). NOT satisfied with the product. Please claim at earliest convenience.

Found:Rare English-speaking Algebra professor. (naw, just kidding.)

Hi...I'm Buffy, and I just LOVE keeners! Just the thought of wrapping my arms around a keener makes me go...all...gh. Tell me all about your differential equations...it makes me so HOT! I know you're there...call me, you intelligent hunk of scholastic invincibility!

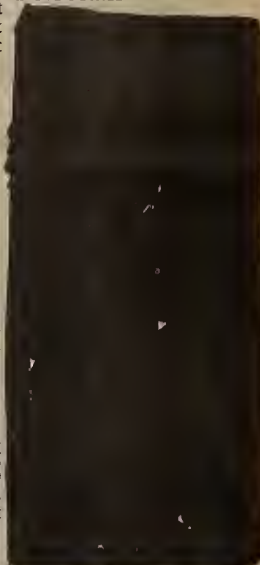
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## Personals

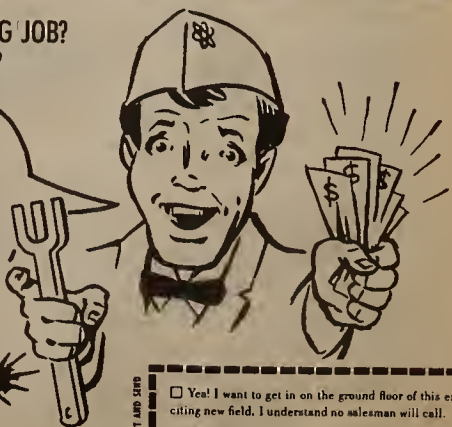


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# LES ADVENTURES DE JULES PERMOZ #1

WRITTEN BY: DEAN DIPIETRO  
ARTWORK: EMILIO GALASSO  
TOIKE OIKE



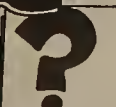
SIR VAYOR  
OF RHODES



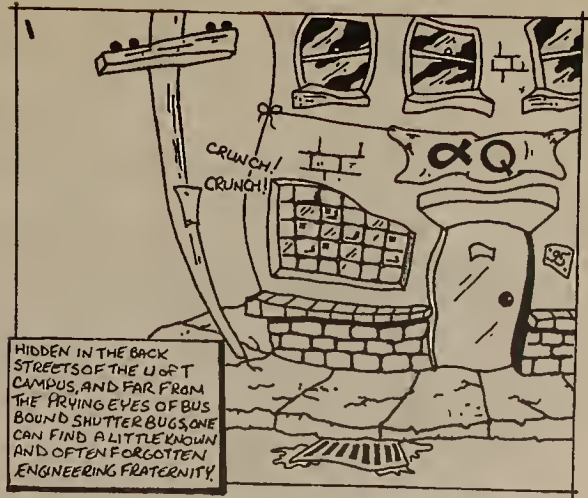
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ROPROSESO



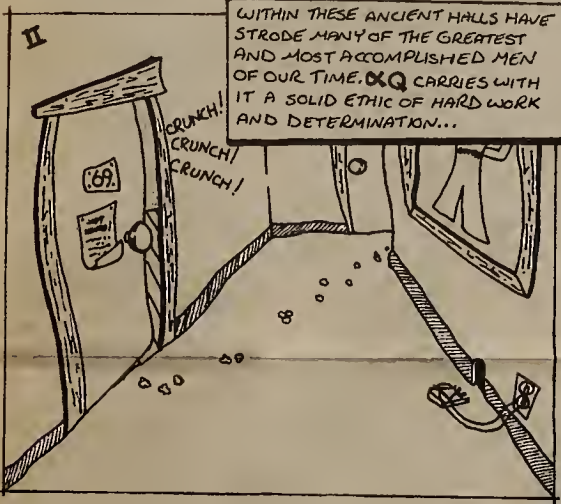
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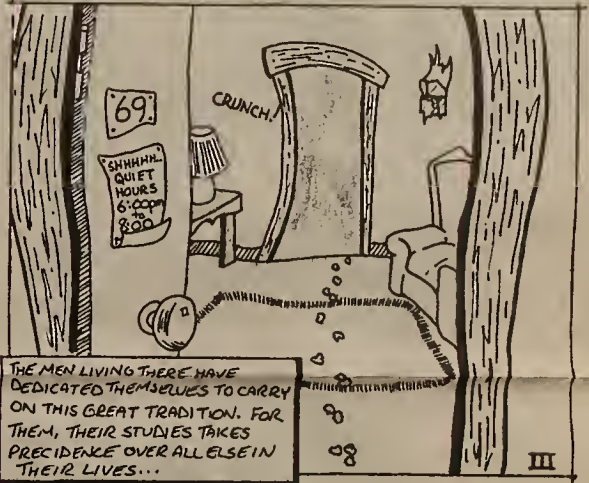
JOE E. AND  
SKULE MORE..



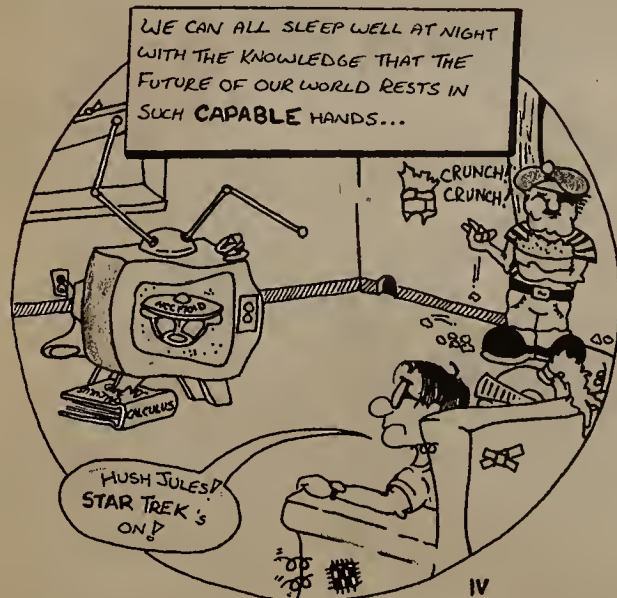
HIDDEN IN THE BACK STREETS OF THE UOFT CAMPUS, AND FAR FROM THE FRYING EYES OF BUS BOUND SHUTTERBUGS, ONE CAN FIND A LITTLE KNOWN AND OFTEN FORGOTTEN ENGINEERING FRATERNITY.



WITHIN THESE ANCIENT HALLS HAVE STRODE MANY OF THE GREATEST AND MOST ACCOMPLISHED MEN OF OUR TIME. OQ CARRIES WITH IT A SOLID ETHIC OF HARD WORK AND DETERMINATION...



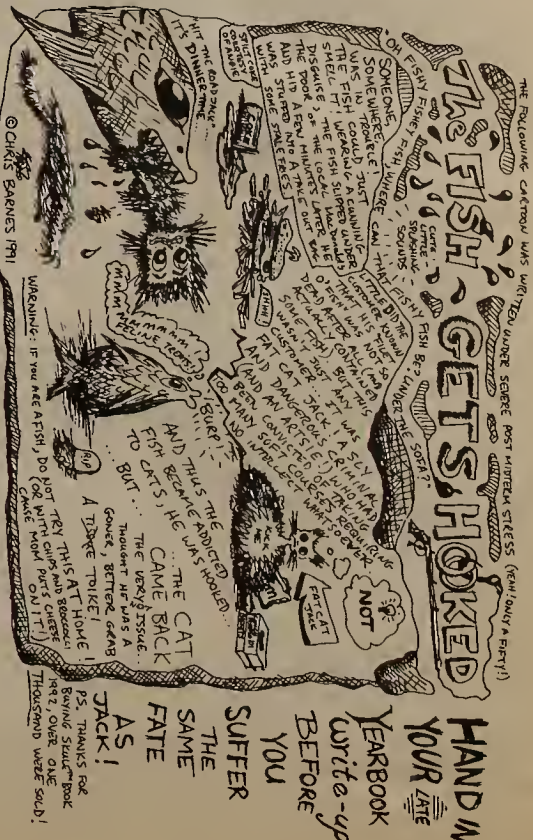
THE MEN LIVING THERE HAVE DEDICATED THEMSELVES TO CARRY ON THIS GREAT TRADITION. FOR THEM, THEIR STUDIES TAKES PRECEDENCE OVER ALL ELSE IN THEIR LIVES...



WE CAN ALL SLEEP WELL AT NIGHT WITH THE KNOWLEDGE THAT THE FUTURE OF OUR WORLD RESTS IN SUCH CAPABLE HANDS...

CRUNCH! CRUNCH!

HUSH JULES! STAR TREK'S ON!

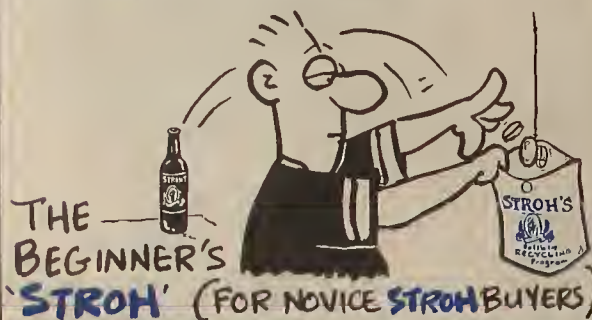


THE FOLLOWING CARTOON WAS WRITTEN UNDER SEVERE POST HYPERTENSION (NEED ONLY A FERRY!)  
THE FISH GETS HOKED  
YEARBOOK WRITE-UP BEFORE YOU SUFFER THE SAME FATE AS JACK!  
P.S. THANKS FOR BUYING STUART BOOK ARTZ, OVER THE THOUSAND WERE SOLD!



# THE **STROH'S** BUYER'S GUIDE: CHAPTER 34: HOW TO RE-'STROH' YOUR BOTTLE CAPS (BASIC 'STROH'ING TECHNIQUES)

WHEN YOU PURCHASE A CASE OF ICE-COLD, FIRE-BREWED **STROH'S** FROM THE BEER STORE, YOU WILL FIND A RE-'STROH'-ABLE BAG INSIDE. THIS HANGS ON YOUR DOOR KNOB AND IS FOR COLLECTING CAPS. HERE ARE SOME CAP 'STROH'ING TECHNIQUES:



THE BEGINNER'S 'STROH' (FOR NOVICE **STROH**BUYERS)...



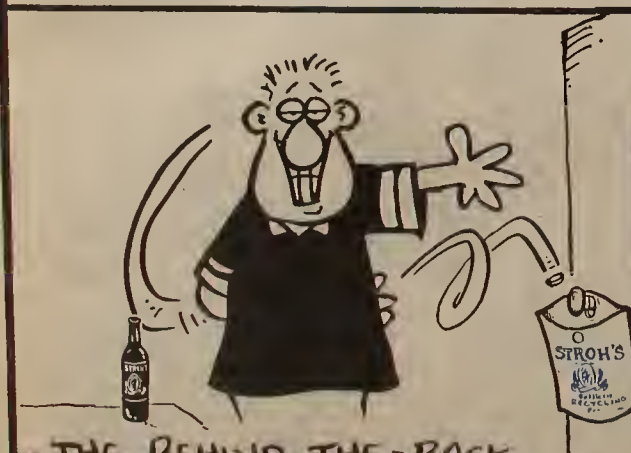
OR... THE UNDER ARM 'STROH'... OR...



... THE HOOK 'STROH'...



OR... THE LOW 'STROH'... OR...



... THE BEHIND-THE-BACK LOOP 'STROH' (ADVANCED)



RETURN YOUR EMPTIES AND BOTTLE CAPS TO THE **BEER STORE** FOR RECYCLING. AND WHILE YOU'RE AT IT, 'STROH'-DEL FOR A CASE OF ICE-COLD, FIRE-BREWED **STROH'S**!

**CAPS OFF TO RECYCLING!**

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**STROH'S**  
FIRE-BREWED BEER

